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**United States Patent and Trademark Office**

Serial Number: 10/099,656  
Filing Date: 03/15/2002  
Applicant: Tong Zhang  
Appn. Title: Multipass Geometry and Constructions for Diode-Pumped Solid-State Lasers and Fiber Lasers, and for Optical Amplifier and Detector  
Examiner: Leung, Quyen Phan / GAU 2828  
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Faxed via computer: January 19, 2005  
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**[FINAL AMENDMENT]**

Sir/Madam:

This is the final amendment for the errors in specification under 37CFR § 1.312. Applicant has received the "Notice of Allowance and Fee(s) Due" and "Notice of Allowability". Applicant was very grateful that the examiner kindly put lot efforts constructively on the prosecution.

Applicant respectfully requests the examiner to allow entering the following amendments for the mistakes and typographical errors in the specification of above patent application, which are list below without new matter. Much of them have been presented in Preliminary Amendment A of 9-3-2002 and Applicant has not been informed that they were entered or not since then.

**Page 1** Line 21 to 24

This is a continuation-in-part of the patent pending of Serial Number 08/861,247, Filed 5/20/97, now patent 6,373,868, granted 2002, in turn a continuation-in-part of Serial Number 08/538,868, Filed 10/04/95, now abandoned after receiving the allowance, in turn a continuation-in-part of Serial Number 08/043,006, Filed 5/28/93, now patent 5,515,394, granted 96. The former two refer to multipass pumping geometry for diode-pumped solid-state lasers, fiber lasers and optical amplifier; and the latter refers to slab lasers and one-dimensional beam expanding cavity.